

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

23448

**DECLARATION OF ING-SHIN CHEN UNDER 37 C.F.R. § 1.132 IN  
U.S. PATENT APPLICATION NO. 10/784,750**

1. My name is Ing-Shin Chen. I am employed by Advanced Technology Materials, Inc., and am actively engaged in research and development relating to sensors and detection systems. I am a co-inventor of the subject matter of the above-identified patent application (U.S. Patent Application No. 10/784,750) filed on February 23, 2004.
2. I am also a co-inventor of U.S. Patent No. 7,228,724, which is based on U.S. Patent Application No. 10/758,825 filed on January 16, 2004. I understand that ownership of both U.S. Patent No. 7,228,724 and U.S. Patent Application No. 10/784,750 has been commonly assigned to Advanced Technology Materials, Inc.
3. I understand that claims 1-21, 25-39, and 41-16 of U.S. Patent Application No. 10/784,750 have been rejected under 35 U.S.C. 102(e) over U.S. Patent No. 7,228,724. I note that U.S. Patent Application No. 10/784,750 has five co-inventors (namely, Frank DiMeo, Jr., Philip S.H. Chen, Ing-Shin Chen, Jeffrey W. Neuner, and James Welch), which inventors also

serve as five of the six co-inventors of U.S. Patent Application No. 10/758,825, now issued as U.S. Patent No. 7,228,724.

4. The subject matter of at least claims 1-21, 25-39, and 41-16 of U.S. Patent Application No. 10/784,750 was derived from the co-inventors of U.S. Patent Application No. 10/758,825.

I declare under penalty of perjury that the facts set forth in this declaration are true and correct, that all statements made of my own knowledge are true, and that all statements made on information and belief are believed to be true. I have been hereby warned that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. § 1001, and that such willful false statements may jeopardize the validity of the application or any resulting registration.

Executed at Danbury, Connecticut, this 8th day of January 2008.

  
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Ing-Shin Chen